WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:

a vibration detector that detects vibration of the apparatus;

a vibration correction unit that corrects vibration of an image caused by vibration of said apparatus; and

a control unit that calculates a vibration correction signal based on a vibration detection signal from said vibration detector and controls said vibration correction unit, wherein said control unit comprises:

a first detection unit that detects whether a first frequency obtained from said vibration detection signal and used for calculating the vibration correction signal falls within a first frequency band which is equals to or lower than a predetermined frequency;

a second detection unit that detects whether a second frequency obtained from said vibration detection signal and used for calculating the vibration correction signal falls within a second frequency band exceeding said predetermined frequency or not;

a variable high frequency band pass unit that changes the pass band for the vibration detection signal on the high frequency side depending on cases 1)where the first frequency falls within the first

frequency band and the second frequency does not fall within the second frequency band, 2)where the first frequency does not fall within the first frequency band and the second frequency falls within the second frequency band, and 3)where the first frequency falls within the first frequency band and the second frequency falls within the second frequency band simultaneously; and

a calculation unit that calculates the vibration correction signal from a vibration frequency of the vibration detection signal passed through said variable high frequency band pass unit and outputs the vibration correction signal to said vibration correction unit.

2. The image sensing apparatus according to claim 1, wherein when at least the second frequency falls within the second frequency band, said variable high frequency band pass unit shifts the pass band to the high frequency side compared to a case where the first frequency falls within the first frequency band and the second frequency does not fall within the second frequency band.

3. The image sensing apparatus according to claim 1 further comprising a vibration correction signal switching unit that prevents the vibration correction signal calculated by said calculation unit from being

output to said vibration correction unit and outputs a predetermined vibration correction signal to said vibration correction unit when at least one of the first and second frequency falls within a third frequency band for which vibration correction is uncontrollable.

4. The image sensing apparatus according to claim 3, wherein when at least the second frequency falls within the second frequency band, said variable high frequency band pass unit shifts the pass band to the high frequency side compared to a case where the first frequency falls within the first frequency band and the second frequency does not fall within the second frequency band.

5. The image sensing apparatus according to claim 1, wherein said vibration correction unit corrects vibration of the image on the image plane by optically deflecting the optical axis.

6. The image sensing apparatus according to claim 5, wherein said vibration correction unit includes a shift lens and its driving circuit.

7. The image sensing apparatus according to claim 5, wherein said vibration correction unit includes a variable apical angle prism and its driving circuit.